

Message Text

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21
ACTION SY-05

INFO OCT-01 EUR-12 ISO-00 /018 W
----- 046429

R 190733Z AUG 76
FM AMCONSUL FRANKFURT
TO AMEMBASSY SOFIA
INFO SECSTATE WASHDC 5187
AMEMBASSY BUCHAREST
AMEMBASSY VIENNA

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SOFIA FOR PSO; DEPT FOR A/SY/T; BUCHAREST AND VIENNA FOR RSO;
FROM OIC/RTC

E.O. 11652: N/A
TAGS: ASEC
SUBJ: BALLISTIC TESTS, ARMORED GLASS SAMPLES

REFS: (A) SOFIA 1674 (NOTAL), (B) VIENNA 4236 (NOTAL)

1. THE SUBJECT ARMORED GLASS SAMPLES (SIGLA-PANZERGLAS DICKE 25-27 MM, BY FLACHGLAS AG, DELOG-DETAG) WRE BALLISTIC TESTED BY A U.S. ARMY LABORATORY HERE. THE LABORATORY REPORT IS BEING FORWARDED TO ALL ADDRESSES, ONLY COPY OF PHOTOS WILL BE INCLUDED WITH SOFIA REPORT.

2. TESTS INCLUDED MULTIPLE IMPACTS AT THREE METERS USING 9MM, 0.357 MAGNUM AND 0.45 CALIBER (ROUGHLY EQUIVALENT TO 0.38 SPECIAL) AMMUNITION.

3. NO PENETRATION RESULTED FROM THE FIRST ROUND FIRED IN EACH TEST SERIES.

A SECOND ROUND OF 0.357 MAGNUM IN THE SAME LOCATION RESULTED IN A PENETRATION. THE THIRD ROUND OF 9MM IN THE SAME LOCATION RESULTED IN A PENETRATION. NO PENETRATION RESULTED FROM THREE ROUNDS OF 0.45 CALIBER IN THE SAME LOCATION.

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4. THE ARMORED GLASS REPRESENTED BY THESE SAMPLES IS JUDGED TO BE

ACCEPTABLE FOR USE. THIS CONCLUSION IS BASED ON THE IMPROBABILITY OF SUCCESSIVE ROUNDS STRIKING THE SAME LOCATION. AS EXPRESSED BY THE SPECIAL PROJECTS SECTION OF A/SY/T, A MORE REALISTIC TEST WOULD BE THREE ROUNDS FIRED AT EQUAL ARC DISTANCES AROUND AN EIGHT INCH CIRCLE. AN EXAMINATION OF THE PHOTOGRAPHS REVEALS THAT THIS ARMORED GLASS WOULD BE LIKELY TO RESIST PENETRATION DURING SUCH A TEST.
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